

**MT. SAN ANTONIO COLLEGE
ENGINEERING 1**

Prerequisite: None
 Course Description: Introduction to the engineering profession; academic requirements; articulation agreements with four-year institutions; engineering ethics; professional engineering licensure; engineering study as a preparation for other careers; academic success strategies.

Faculty: M. Z. Khan, P.E.

Textbook: Studying Engineering by Raymond Landis, 4th edition

Office: 60-1614; Phone (909) 274-4424; E-mail: mkhan@mtsac.edu

Always indicate the course and *day of the class* in the subject of the e-mails you send me. Check your Mt SAC email frequently, or have them forwarded to the email account you check more often so that you will not miss any important announcements.

Office Hours:

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY

In addition to my lectures and classroom discussions, you will hear from guest speakers from industry as well as universities. It is required that you arrive on time in order not to disrupt the class. The classroom door may be closed 10 minutes after class starts. The material presented in the class is not fully covered by the textbook. Those who arrive late will lose points assigned for participation. *All computers/monitors, cell phones should be turned off during lecture. Please close the classroom door slowly as you enter or leave.*

Late assignments will not be accepted. There are no make-up exams unless a genuine reason is provided in the form of a printed memorandum, or medical documentation to verify the nature of emergency.

You will lose 5% of the total grade for each absence, up to a maximum of forty percent (40%) of the comprehensive grade. If you are: sleeping, doing homework, texting, or talking to each other when your instructor is teaching or guest speaker is making a presentation, you will lose participation points. Any absence during “add” period can result in your being dropped from the class. Your teacher may drop you after two consecutive absences. However, dropping a course is entirely your responsibility and if you neglect to drop, you could get an “F” in the course.

Exams: No reference materials allowed for any exam.

Test #1 (Chapters 1 and 2)	10%
Test #2 (Chapter 3 and 4)	10%
Test #3 (Chapter 5 and 6)	10%
Resume and cover letter	10%
Course Planner	10%
Classroom participation/attendance/professionalism	40%
Final Exam (Chapter 7 and 8)	10%

FINAL Exam (Last Meeting): _____ (Note: grades cannot be sent by e-mail)

If you have a conflict with the examination hour for the final examination, you are responsible for notifying me at least two weeks prior to the final exam.

The last date to withdraw with a “W” is: _____ (short-term course)

Cheating or Plagiarism is the act of misrepresenting the work of someone else as your own or assisting another student by providing them with answers to exams or written work that is not their own. This includes copying from another, use of stolen exams, instructor’s notes or test key. Failure to use quotations marks and citing the source when using the written work of another, including Internet sources. Using the collaborative work of a group without the prior approval of the instructor. Students are encouraged to review both the Academic Honesty Policy and the Student Discipline Policy which are printed in the College catalog for further clarification. Failure to comply could result in disciplinary action such as receiving an “F” on the assignment, an “F” for the course, suspension, or expulsion.

SLO: Students will prepare a plan for taking appropriate coursework during the next eight semesters/sessions/quarters.

SLO: Students will prepare a cover letter and resume tailored for applying for a summer internship.

Meeting No.			Topics (Sequence may be altered to accommodate guest speakers' schedule)
1			Introduction to engineering and engineering technology, construction management Level and section transfer. Course advisement, Selection criteria for a 4 year college, Public universities: ASSIST.ORG, Private universities: AICCU.EDU For profit colleges: accredited programs bppe.ca.gov and ope.ed.gov/accreditation Catalog Rights (permits skipping a semester), IGETC, G.E. Courses, Cross-Enrollment, Dual Admission, Open University Math placement test, retesting Engineering Design (iterative process)
2			Writing for engineers, resume preparation, interviewing techniques, temporary employment, P.D. City, county, state and federal employment. Other fields of engineering, requirements for teaching engineering. Career paths: technical , managerial , selling skills (influencing people)
3			Transfer of courses to four-year institutions, Engineering Liaison Council, FAFSA (Jan. 1 - March 2 for work-study eligibility) and other financial aid
4			Industrial Engineering as a profession
5			Electrical Engineering as a profession
6			Civil/Mechanical Engineering as professions. Ethics for engineers, Engineering degree as a preparation for other professional fields such as medical, dental, business administration and law schools, Professional Engineer's License, Fundamentals of Engineering Examination http://www.dca.ca.gov/pels/ CBT (Eff. Jan. 2014) for FE and LS exams: nnces.org/cbt
7			Keys to student success: guest speaker
8			Guest Speaker, FINAL EXAM

- The maximum number of units which you can accumulate, and still maintain registration priority is 150. Beginning **Summer 2014**, students who have completed **100** or more degree applicable (non-basic skills courses) at Mt. SAC, will receive a lower registration priority. After 90 units there may be a reduction in financial aid. You can maintain your registration priority as long as you are enrolled in one or more courses during each semester.